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Appl. No. 10/648,896

Docket No. 304-813

Amendment

Response to Office Action dated December 3, 2004

AMENDMENTS TO THE CLAIMS

This listing will replace all prior versions, and listings, of claims in the application:

- 1 1. (Previously presented) A device for determining the temperature of a flowable medium,
2 wherein said medium flows through a duct with a cross-section,
3 said device having a temperature sensor and a probe body,
4 wherein said probe body has several elongated probe sections connected to a base member,
5 wherein said probe sections extend into said duct,
6 wherein said temperature sensor is arranged on said probe body in conductive thermal
7 contact therewith, and
8 wherein said temperature sensor is located on said base member and is outside said duct.
- 1 2. (Original) A device according to claim 1, wherein said probe sections extend through
2 said entire cross-section of said duct.
- 1 3. (Original) A device according to claim 1, wherein said probe sections are straight and
2 parallel.
- 1 4. (Original) A device according to claim 3, wherein said probe sections are equidistant to
2 one another.
- 1 5. (Original) A device according to claim 1, wherein said probe sections are rod-like.
- 1 6. (Original) A device according to claim 1, wherein said probe sections are spaced from
2 one another with free gaps, said free gaps between two adjacent of said probe sections being
3 roughly of the order of magnitude of the extension of said probe sections at right angles to a flow
4 direction of said medium.